

WE CLAIM:

1. An appliance leveling system, comprising:
a bolt having a threaded portion with a diameter;
a nut having a threaded aperture configured to engage the threaded portion of the bolt; and
an appliance leg including a first bolt receiving aperture having a diameter greater than the bolt diameter to provide free axial movement of the bolt relative to the first bolt receiving aperture, and a nut receiving structure configured to receive and retain the nut;
whereby rotation of the bolt relative to the nut adjusts a vertical height of the appliance.
2. The system of claim 1, wherein the bolt receiving aperture is positioned at a base of the appliance leg.
3. The system of claim 1, wherein the nut receiving structure is a slot formed in the leg in a direction perpendicular to an axis of the threaded aperture.
4. The system of claim 1, wherein the nut receiving structure includes a second bolt receiving aperture having a diameter greater than the bolt diameter to provide free axial movement of the bolt relative to the nut receiving structure, the second bolt receiving aperture being aligned with the first bolt receiving aperture and the threaded aperture.
5. The system of claim 1, wherein the nut is removably positioned in the nut receiving structure.
6. The system of claim 1, wherein the bolt further includes an adjustment structure that facilitates rotation of the bolt.

7. The system of claim 1, wherein the threads of the bolt are formed along a portion of a length of the bolt.

8. The system of claim 1, wherein the nut has a square shaped circumference and the nut receiving structure includes a generally square shaped recess having an internal size substantially the same size as the outer circumference of the nut.

9. An appliance, comprising:
a leveling system including a threaded bolt and a nut having a threaded aperture sized to engage the threaded bolt; and
a leg having an aperture formed in an end of the leg and a nut receiving structure sized to receive and retain the nut in a position in which the threaded aperture is aligned with the leg aperture;
wherein the leg aperture is sized to facilitate free axial movement of the threaded bolt through the leg aperture, and rotation of the threaded bolt relative to the nut adjusts a vertical height of the appliance.

10. The appliance of claim 9, wherein the appliance is a heat generating device.

11. The appliance of claim 10, wherein the heat generating device is a fuel burning stove.

12. The appliance of claim 9, wherein the appliance includes at least two legs, each leg including the leveling system, the leg aperture, and the nut receiving structure.

13. The appliance of claim 9, wherein the nut has a square shaped circumference.

14. The appliance of claim 9, wherein the leg aperture has a diameter that is greater than a diameter of the threaded bolt.

15. The appliance of claim 9, wherein the nut receiving structure includes a cavity defined by an end of the leg and a cross member that extends in a direction perpendicular to an axis of the leg aperture, the cavity having a size substantially similar to the size of the nut.

16. The appliance of claim 15, wherein the cavity is open on at least one side of the leg to removably position the nut in the nut receiving structure.

17. The appliance of claim 15, wherein the predetermined position includes a position that permits rotation of the nut about an axis of the threaded aperture less than 45 degrees.

18. A method of adjusting a height of an appliance, the appliance including a threaded bolt, a nut having an threaded aperture sized to engage the threaded bolt, and a leg having a nut receiving structure and a bolt receiving aperture formed in an end thereof, the method comprising the steps of:

positioning the nut in the nut receiving structure thereby retaining the nut;
threading the bolt into the threaded aperture of the nut;
moving the bolt through the bolt receiving aperture without engaging the bolt;

whereby rotation of the bolt relative to the retained nut adjusts the height of the appliance.

19. The method of claim 18, wherein the nut receiving structure includes a slot having an internal shape and size that substantially matches an outer shape and size of the nut, and the positioning step includes moving the nut into the slot.

20. The method of claim 18; wherein the threaded bolt includes an adjustment structure, and the threading step including engaging the adjustment structure to rotate the threaded bolt relative to the nut.

21. The method of claim 20, wherein the adjustment structure includes an Allen type structure and the threading step includes engaging the Allen structure with an Allen wrench and rotating the threaded bolt with the Allen wrench.